

Functional Design

CATEGORY

Outbound interface

APPLICATION OVERVIEW

Financial data (expenditures and revenues) will be sent from Cardinal to external interfacing agencies. In a future stage of the project, the data will be sent to the Department of Planning and Budget (DPB). Agencies using this interface will require all ChartFields, while DPB requires only few selected ChartFields. The new interface needs to handle both external interfacing systems and DPB requests. The approach is to develop one program during Part 1 for VDOT's ABDS and use the same program for DPB and other agencies during the later phase of the project.

DPB controls all legal budgets, appropriation and allotments for the Commonwealth of Virginia. All state agencies need to send financial data (expenditures and revenues) to DPB so that they can develop the statewide budgets. DPB will then interface an original appropriation and allotment flat file which is used to create budget journals in Cardinal. This is handled by GL63 – Inbound Budget Journal Upload. Budget adjustments will also be received from DPB throughout the year.

A new run control page - V_RUN_GL288A will be used for the interface. The delivered Ledger Activity report - GLS7002.SQR will be leveraged to create the new interface. The interface will extract all entries on the Ledger table and summarize the entries by user selected criteria for ledger and ChartFields by using a "group by" clause.

Below is the mock up of the run control page:

The screenshot displays the Oracle Actuals Ledger Extract web application running in a Windows Internet Explorer browser. The address bar shows the URL: http://findweb1.cov.virginia.gov/pspp/finder/EMPLOYEE/PSFT_EP/c/v_GL_V_RUN_GL2888_INT.GBL?Folder=MYFAVORITES. The Oracle logo is visible at the top left of the application page. The breadcrumb navigation path is: [Home](#) > [Worklist](#) > [Performance Trace](#) > [Add to Favorites](#) > [Sign out](#). The main content area is titled "Actuals Ledger Extract" and includes a "Run Control ID: TESTFILENAME" field. Below this, there are links for "Report Manager", "Process Monitor", and a "Run" button. The "Request Parameters" section includes fields for "Business Unit" (US001), "Ledger Template" (STANDARD), "Fiscal Year" (2000), "From Period" (1), "File Name" (Actuals Extract), "Ledger" (ACTUALS), "Range To Fiscal Year" (2010), and "To Period" (12). The "Values by ChartFields" section features a "Field Name" dropdown (Account), a "Tree Name" dropdown (ACCTROLLUP), and a "Level Name" dropdown. A "Tree Node Selector" is also present. The "How Specified" dropdown is set to "Detail - Selected Parents". A "Select Values Nodes" dialog box is open, showing a list of nodes with "BALSHEET" selected. At the bottom of the page, there are buttons for "Save", "Return to Search", "Notify", "Add", "Update Display", "Include History", and "Correct History". The status bar at the bottom indicates "Process Instance: 63306" and "Trusted sites | Protected Mode: Off".

Supported Business Processes

Create and Process Journals

Purpose/Use

This extract will be used by external interfacing systems to receive General Ledger information from the LEDGER table.

Processing Overview

Utilize an application engine which will leverage the delivered Ledger Activity report - GLS7002.SQR and will include the following modifications:

1. This interface will be run in batch by production control.
2. The run control page V_RUN_GL288A will be used. It will have 3 scroll levels.
3. The first scroll level will have the Business Unit tree, Ledger, Fiscal Year From, Fiscal Year To, From Period and To Period.
4. The second scroll level will allow adding different ChartFields.
5. The third scroll level will allow specifying the ChartField values for each ChartField.
6. Run Control page has FILENAME field that drives the name of the output file created.
7. The program will extract the tree name from the run control page and extract all the valid business unit values.
8. The run control page will let the interface run for any standard ledger (non Commitment Control). It will be a prompt of the PS_LED_GRP_TBL. It is a required parameter. If left blank, peoplecode error message would appear asking to enter the ledger.
9. The interface will run for the specific range of accounting periods depending on the fiscal year and accounting period ranges entered.
10. The ChartField values can be specified in three different ways on scroll level 3 – Tree Node Level, Range of Values and Select Detail Values.
11. In order for the interface to run for all values for a selected ChartField, the Range of Values option should be selected on scroll level 3 and the range i.e. 'Select Value' and 'To' should be left blank on the run control page.
12. The interface extracts all – rows on the Ledger table and summarizes the entries by the user selected criteria for the ChartFields.
13. PS_LEDGER is the main table referenced in the interface to pull the summarized data.
14. POSTED_TOTAL_AMT is extracted from the ledger table. It is grouped by the user selected ChartField criteria.
15. The file is placed on the specific location using the FTP architecture.

IMPACTED OBJECT INVENTORY AND DESCRIPTION**IMPACTED OBJECTS**

- Please reference the Technical Design section for impacted objects.

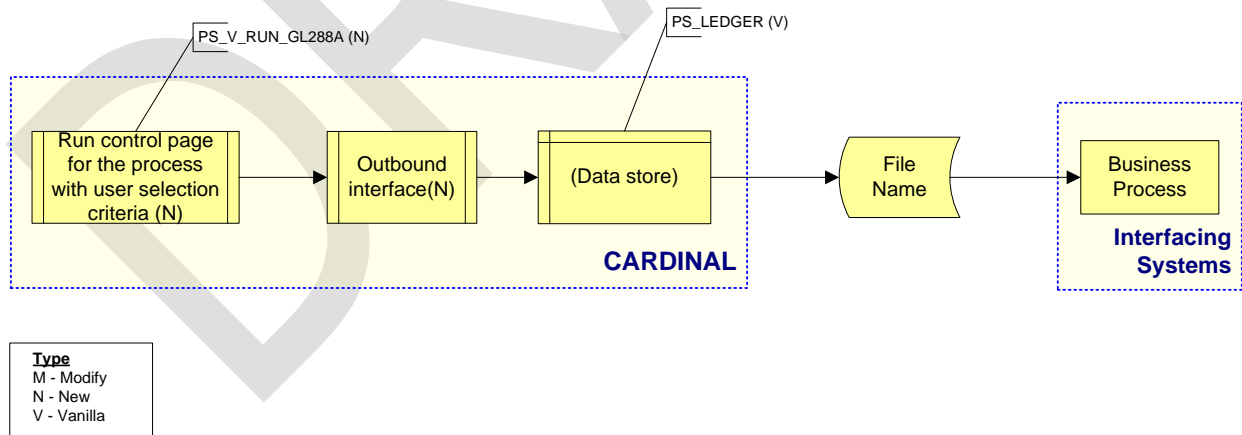
RELATED LEGACY OBJECTS

- In CARS, 6 agencies utilize the CARS Operating Files Extracts. This will be replaced by the Actuals Ledger Extract in Cardinal. The following interfacing agencies receive agency transactions from CARS:

Parent Agency Name	Parent Agency Number
DEPARTMENT OF PLANNING AND BUDGET	122
DEPARTMENT OF TAXATION	161
UNIVERSITY OF VIRGINIA - ACADEMIC DIV	207
VIRGINIA COMMONWEALTH UNIVERSITY	236
STATE COUNCIL OF HIGHER EDUCATION FOR VA	245
DEPT OF CORRECTIONS-CENTRAL ACTIVITIES	799

ASSUMPTIONS

- The same program will be carried over for DPB extract. The interface will be designed to accommodate DPB requirements as much as possible.
- Agencies using this interface will be able to accept a flat file.

APPLICATION FLOW DIAGRAM**FILE PROCESSING**

The file layout will be available during Technical design.

RTM CROSS-REFERENCE

This modification satisfies the following requirements:

- GL288 - The system shall have the ability to perform outbound interface processing with VDOT's ABDS (Annual Budget Development System) budgeting system to send financial (expenditures and revenues) and budget data. Note: Only part (expenditures and revenues data) of the RTM is met in this design.
- GL282 - The system shall have the ability to perform outbound interface processing with performance budgeting to send financial data (expenditures and revenues).

CONVERSION IMPACT

This modification has the following conversion impacts:

- N/A

CONFIGURATION IMPACT

This modification has the following configuration impacts:

- N/A

CHANGE MANAGEMENT IMPACT

This modification has the following change management impacts:

- This is a new process and production control needs to be made aware of it.

SECURITY / SENSITIVE DATA IMPACT

This modification has the following security / sensitive data impacts:

- Security should be defined and assigned to the GL BATCH ID to run the process.

TECHNICAL IMPACT

This modification has the following technical impacts:

- The file is moved to the specific location using the integration broker interface architecture.

RELATED WORK UNITS

This modification is related to the following work units:

- GL.288B - Budget Ledger Extract
- GL.600 – Journal Upload Agencies
- GL063 - Budget Journal Upload – DPB
- GL595 - Agency Journal Extract

TESTING SCENARIOS

#	Description
1	Run the interface selecting different ChartField combinations.
2	Run the program selecting different ledgers.
3	Run the interface selecting different values for the chartfields – Tree Node Level, Range of Values and Select Detail Values.

#	Description
4	Run the interface selecting different business unit trees.

REPORT LAYOUT

- N/A

OPEN ISSUES

#	Issue	Owner	Status	Response
1	Determine the frequency of the interface	Bilal Khan	Closed	It will be decided during the technical design. This issue will be determined during Batch build. This issue will not impact technical design.
2	Confirm ABDS can accept a flat file	Bilal Khan	Closed	This has been discussed during the external MOU meeting with ABDS on 05/13/2010. ABDS is in the process of testing this. Bill Crapser will let Cardinal know about the outcome of the process. 08/09/2010 – ABDS confirmed they will be able to accept flat file

Note: The Open Issues section should be used by the technical designer to track open issues. This can also be used to track items that come up in peer review. Prior to going to inspection review all items should be addressed and grayed out.